BRUHAT BANGALORE MAHANAGARA PALIKE
YELAHANKA ZONE

Name of work: Detailed Estimate for the Work of Construction of Culverts Thanisandra Surrounding Area in Ward No. 06 Byatarayanapura Sub Divison

			Estimate Cost Rs.					1000000.00	
Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRB 2-2.1 : earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in **Hard soil** not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5, No. 5/ Item No. 2.4/ PWD SR 2014-15	Cum							
	For Culverts		8	6.20	1.95	1.05	101.56		
							101.56	264.60	**26872.00**
	Basic Rate	245.00							
	Area Weightage @ 8%	19.60							
	Total	**264.60**							
2	KSRB-4-1.3 : Providing and laying in position **plain cement concrete of mix M 1:4:8** withOPC cement at 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2, No. 12/ Item No. 4.3/ PWD SR 2014-15	**Cum**							
	For Culverts		8	6.20	1.95	0.15	14.51		
							14.51	4847.04	**70321.00**
	Basic Rate	4488.00							
	Area Weightage @ 8%	359.04							
	Total	**4847.04**							
3	KSRB 5.2.3 Providing and constructing granite / trap / basalt Size stone masonry **in foundation** with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 Page No. 23/ Item No. 5.6/ PWD SR 2014-15	cum							
	For Culverts		8X2	6.20	0.60	0.45	26.78		
							26.78	3836.16	**102748.00**
	Basic Rate	3552.00							
	Area Weightage @ 8%	284.16							
	Total	**3836.16**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
4	KSRB 5.3-3 Providing and constructing granite / trap / basalt size stone masonry **in basement** with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5-1.13 Page No. 23/ Item No. 5.9/ PWD SR 2014-15	**Sqm**							
	For Culverts		8X2	6.20	0.50	0.45	22.32		
							22.32	**4542.48**	**101388.00**
	Basic Rate	4206.00							
	Area Weightage @ 8%	336.48							
	Total	**4542.48**							
5	KSRB 4-6.7 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1 m in depth including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 16/ Item No. 4.34/ PWD SR 2014-15	**Sqm**							
	For Culverts		8	6.20	0.60		29.76		
	For Sides		8X2	6.20	0.23		22.82		
			8X2	1.65	0.23		6.07		
							58.65	**260.28**	**15265.00**
	Basic Rate	**241.00**							
	Area Weightage @ 8%	19.28							
	Total	**260.28**							
6	KSRB 4-1.7 : : Providing and laying in position plain cement concrete of mix **1:3:6** withOPC cement @ 220kgs, with 20mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregates @0.56cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2/P No. 13/ Item No. 4.7/ PWD SR 2014-15	**cum**							
	For Culverts		8X2	6.20	0.50	0.10	4.96		
	Vent Bed		8	6.20	0.60	0.10	2.98		
							7.94	5287.68	**41963.00**
	Basic Rate	4896.00							
	Area Weightage @ 8%	391.68							
	Total	**5287.68**							
7	KSRB 15.1.3: Providing **FLush pointing** to coursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. Page No. 109/ Item No. 15.1/ PWD SR 2014-15	Sqm							
	For Culverts		8X2	6.20		0.50	49.60		
							49.60	91.80	**4553.00**
	Basic Rate	85.00							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Area Weightage @ 8%	6.80							
	Total	**91.80**							
8	KSRB 4.2.2 : Providing and laying in position plain cement concrete of mix **M20** withOPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum with superplastesisre @ 3lts conforming to IS9103-1999Reffirmed machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour HOM of machinery, curing, complete as per specifications. Specification. No. KBS 4.1,4.6, **No. KBS 4.1,4.6, No. 13/ Item No. 4.11/ PWD SR 2014-15**	**Cum**							
	For Culverts		8	6.20	1.65	0.23	18.82		
							18.82	6065.28	**114168.00**
	Basic Rate	5616.00							
	Area Weightage @ 8%	449.28							
	Total	**6065.28**							
9	KSRB 4.9.2:providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3 Page No. 17/ Item No. 4.46.2/ PWD SR 2014-15	**Qtl**							
	0.65Ton/Cum		0.060	18.82			**1.13**	78351.84	**88490.00**
	Basic Rate	72548.00							
	Area Weightage @ 8%	5803.84							
	Total	**78351.84**							
10	Precast slab 20mm and down size for slab (including steel reinforcement) including centring and shutterng machine mixed concrete laid in layers not exceeding 15cms thick well compacted cost of all materials labour HOM of machineries curing complete as per specifications c.c 1:1.5:3 Including all cost of Matirial (DATA RATE ENCLOSED) 10cm thick RCC pre cast slab	Sqm							
	Thanisandra SVN School Road		1	160.00	0.90		144.00		

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Saraipalya Govt School Back Side		1	89.00	0.90		80.10		
							224.10	1856.67	**416080.00**
	Data Rate	**1856.67**							
11	Lead for Disposal of Debris shall be payable at carage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km (Page No.123,	Cum							
			Qty. Vide Item No. 1				**101.56**		
							101.56	67.32	**6837.00**
	Basic Rate Lead Charges Upto 2.00 Kms	5.12							
	PWD SR 2010-11 (P.118/I.17.1) For loading	62.20							
	Total	**67.32**							
							Grand Total		**988685.00**
12	For 1% Third Party Inspection Charges								**9887.00**
13	Miscesallaneous Charges	L/S							1428
								Total	**1000000.00**

Rupees Ten Lakh(s) Only

CERTIFICATE

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2014-15
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

14/12/15

Assistant Engineer

Assistant Executive Engineer
ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು-24

Executive Engineer
Byatarayanapura Division
Bruhat Bangalore Mahanagara Palike

ADMINISTRATIVE APPROVAL
Accorded For Rs. Ten lakhs only
Head of A/c. P-1771/15-16
Div. Ref. No. 164 Date 14-12-2015
AE EE(BTP)
14/12

TECHNICAL SANCTION
Accorded For Rs. Ten lakhs only
Head of A/c. P-1771/15-16
Div. Ref. No. 173 Date 14-12-2015
AE EE(BTP)
14/12